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Fibre optic sensors -

Part 1-4: Strain measurement - Distributed sensing based on Rayleigh scattering

Capteurs fibroniques -

Partie 1-4: Mesure de déformation - Détection répartie basée sur la diffusion de Rayleigh

IEC 61757-1-4:2025

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IEC Secretariat
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Fibre optic sensors -
Part 1-4: Strain measurement -
Distributed sensing based on Rayleigh scattering**

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The text of this International Standard is based on the following documents:

Draft	Report on voting
86C/1972/CDV	86C/1995/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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INTRODUCTION

This document is part of the IEC 61757 series, which is dedicated to fibre optic sensors. Generic specifications for fibre optic sensors are defined in IEC 61757.

The individual parts of the IEC 61757 series are numbered as IEC 61757- M - T , where M denotes the measurand and T the technology of the fibre optic sensor. The IEC 61757-1- T series is concerned with strain measurements.

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